

# Weekly Report

## 11/16/2014 - 11/23/2014

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## 1 Summary

This week I mainly focused on the rank visualization project.

## 2 Projects

### 2.1 Project 1 - Rank Visualization

After several times trying to load Wikipedia page-link dataset into mysql database only to end with failure, I turned to Wikipedia web API. The reason I preferred dataset rather API is that dataset can be run offline or with poor network connection (especially in China). But it seems web API still can be a good temporary alternative. The wikipedia web API has been integrated into the system, retrieving both pages connecting to the selected item and pages the selected page connecting to.

Other than the page-link dataset, I've also load the Top-K dataset into dataset and implemented the corresponding database connection interface, so that the finding similar function can return items with rank up to 5000. Before I chose mysql database, I thought of a time series database named *InfluxDB* and did a little test of its functionality. But it turned out to be a immature database with incorrect documentation. The time operator seems not working very well. A rough outline is drafted for the paper.

### 2.2 Project 2 - Data Inspection

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### 2.3 Project 3 - NBA Game Visualization

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### **3 Paper Reading**

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### **4 Miscellaneous**

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### **5 To Do List**

1. A more detailed draft of the Top-K paper.
2. Preparing group seminar presentation: fast forward.
3. NBA project discussion and data inspection project discussion.
4. Taking driving class.

### **References**